



## BIOS Update Release Notes

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### PRODUCTS: D510MO (Standard BIOS)

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**BIOS Version 0311 - MOPNV10J.86A.0311.2010.0802.2346**

#### About This Release:

- August 03, 2010
- Integrated Graphics Option ROM: 2001 03/01/2010
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.35 (100614)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.22 (100316)
  - gPXE 1.0.0

#### New Fixes/Features:

- Fixed issue where all bootable devices except Hard Disk Drive disappear in Intel® Integrator Assistant boot order.
- Fixed issue where CPU Family shows Other Family CPU instead of Atom CPU.
- Fixed issue where Synch string is not shown when DIMM slot is empty.
- Fixed issue where any key of PS/2 keyboard can wake up system if power is lost then reapplied.
- Added 2x or 4x in display of L2 cache size, as appropriate for the processor.

**BIOS Version 0303 - MOPNV10J.86A.0303.2010.0705.1202**

#### About This Release:

- July 05, 2010
- Integrated Graphics Option ROM: 2001 03/01/2010
- LAN Option ROM:
  - Realtek PCI Express Gigabit Ethernet Controller Series v2.35 (100614)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.22 (100316)
  - gPXE 1.0.0

#### New Fixes/Features:

- Fixed issue where PCI graphics cards with onboard PCI-to-PCI bridges are not detected by the system BIOS.
- Updated Jmb363 Mini PCIe to SATA Bridge OpRom.
- Fixed SMBIOS issue where "DDR2" shown as empty DIMM instead of "Unknown Dev Type".
- Fixed issue where manually configured memory timings will result in system hang.
- Fixed issue where there are unsupported items in map file with the Intel® Integrator Toolkit.
- Fixed issue where Option ROM of external PCI SATA controller card

does not run.

- Updated PXE and gPXE ROM.
- Fixed issue where removing and then applying AC power causes system to boot when using a PS/2 mouse.
- Fixed issue where system fan speed frequently displays as zero when fan is connected.
- Fixed issue where fan intermittently runs at full speed when performing a cold boot.

**BIOS Version 0210 - MOPNV10J.86A.0210.2010.0428.2238**

**About This Release:**

- April 29, 2010
- Integrated Graphics Option ROM: 2001 03/01/2010
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Updated LVDS Configuration settings help text in BIOS setup.
- Added support for mini-PCIe to SATA bridge option ROM.
- Fixed issue where large hard drive size is displayed wrong in BIOS setup.
- Fixed issue where processor temperature sensing is high (above 125° C).
- Fixed issue where Intel® Integrator Toolkit shows a RAID option of "Configure SATA As" when RAID is not supported.
- Fixed issue where WHQL failure occur related to memory I/O test.

**BIOS Version 0209 - MOPNV10J.86A.0209.2010.0414.0003**

**About This Release:**

- April 14, 2010
- Integrated Graphics Option ROM: 2001 03/01/2010
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Updated Video BIOS.
- Fixed issue where certain USB DVD drives would not boot DVDs from cold boot.
- Fixed issue where event log shows error "Performance power management features on processor 3 in group 0 are disabled due to a firmware problem"

**BIOS Version 0175 - MOPNV10J.86A.0175.2010.0308.0620**

**About This Release:**

\*Other names and brands may be claimed as the property of others.

- March 8, 2010
- Integrated Graphics Option ROM: 1933 11/11/2009
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Added workaround for S4 Cycling issue.
- Updated Video BIOS.
- Fixed issue where system can be woke up from S4 when "Wake on LAN in S5" is Disabled.
- Fixed DVMT Memory Size setting issue.

<b>BIOS Version MOPNV10J.86A.0154.2009.1117.1624</b>
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**About This Release:**

- November 18, 2009
- Integrated Graphics Option ROM: 1907 10/07/09
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Added workaround for some NM10 chipsets not fusing RCRB+3418h[1] correctly.

<b>BIOS Version 0148 - MOPNV10J.86A.0148.2009.1102.2315</b>
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**About This Release:**

- November 03, 2009
- Integrated Graphics Option ROM: 1907 10/07/09
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Fixed issue where four thread operation shows in Task Manager but only three processors are shown in Device Manager.
- Updated Video BIOS.
- Fixed issue where SMBIOS System Slot Information is wrong.
- Fixed intermittent system blue screen error that occurred during WHQL Common Scenario test.
- Fixed issue where audio driver not able to install in WinCE\*.
- Fixed issue with WHQL HAL Timer test.
- Fixed issue where system failed to resume from S3.
- Fixed issue where CMOS Bank 1 not enabled.

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- Fixed issue where 1280x800 able to load in Intel® Integrator Toolkit which cause iFlash splash screen to become corrupted.

**BIOS Version 0115 - MOPNV10J.86A.0115.2009.1006.2145**

**About This Release:**

- October 7, 2009
- Integrated Graphics Option ROM: 1870 08/31/09
- LAN Option ROM:
  - Realtek\* PCI Express Gigabit Ethernet Controller Series v2.29 (090630)
  - Realtek PCI Express 10/100M Ethernet Controller Series v1.19 (090810)
  - gPXE 0.9.6

**New Fixes/Features:**

- Initial production BIOS release

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